

Claims Status Responsive to the 4 June 2004 Official Action

1. (currently amended). For the environment of a selectable sleeping mattress having a substantially rectangular and horizontal upper sleeping surface, and which is uprightly peripherally defined by: four cornerwise locations, and also two parallel longitudinal-edges which are cornerwise interrupted by two parallel transverse-edges, an improved structure for *Self-interlocking frame for sleeping mattresses* and comprising four elongate bars each being respectively unitarily constructed throughout of resiliently compressive resinous structural material, and each being lengthwise throughout of substantially rectangular cross-sectional shape, and said bars including:

(A1) a pair of directionally longitudinal-bars respectively extending along a central- longitudinal-axis therefor between upright endwise-terminii and uprightly flanked by an outer-surface parallel to an upright inner-surface that substantially uprightly abuts a mattress upright longitudinal-edge,

(A2) a pair of directionally transverse-bars respectively extending along a central transverse-axis therefor between upright endward-terminii and uprightly flanked by an outward-surface parallel to an upright inward-surface that substantially uprightly abuts a mattress upright transverse-edge, and  
whereby said bars' intervening inner-surfaces and inward-surfaces intersect immediately directionally outwardly about a mattress upright corner location; and

(B) within the said unitary constructions among said four four elongate bars, and located outwardly about mattress corner locations, linearly-defined tongue-and-groove mateable bars' intersections and there for interlocking each said longitudinal-bar with a said confronting transverse-bar.

2. (original). The improved structure of Claim 1 (currently amended) wherein the said respective tongue-and-groove mateable configurations are respectively located between a longitudinal-bars' central longitudinal-axis and inner-surface therefor , and also between a transverse-bars' central transverse-axis and inward-surface therefor.

3. (original) The improved structure of Claim 2 wherein the tongue portion of each said tongue-and-groove mateable configurations is uprightly instituted at oppositely disposed uprightly at directionally transversely located endward-terminii of said transverse-bars and for removable engagement with uprightly grooved portions instituted at a longitudinal-bar inner-surface.

4 (original) The improved structure of Claim 3 wherein the inward-surfaces of the transverse-bars at said endward-terminii concavely intersect a longitudinal-bar inner-surface.

5(original) The improved structure of Claim 4 wherein said inner-surface grooved longitudinal-bars and said tongued transverse-bars are respectively constructed throughout of polyurethane resinous material.

6(original) The improved structure of Claim 2 wherein the tongue portion of each said tongue-and-groove mateable configurations is uprightly instituted from a longitudinal-bar inner-surface for removable engagement with an upright groove at a transverse-bar endward-terminus.

7(original) The improved structure of Claim 6 wherein also there is a concave intersection between longitudinal-bar inner-surface and transverse-bar inward-surface; and wherein said configured longitudinal-bars and transverse-bars are respectively constructed throughout of polyurethane resinous material.

8(original) The improved structure of Claim 2 wherein adjacent each said tongue-and-groove removably interlocking mattress-cornerwise intersection, the transverse-bar outward-surface is uprightly co-planar with the longitudinal-bar endwise-terminus ; and wherein said longitudinal-bars and transverse-bars , and including their tongue-and-groove mateable capabilities, are constructed throughout of polyurethane resinous material.